

Claims

1. A substrate and/or underlayer of an electronic component, which substrate or underlayer is to be coated with an organic functional layer, wherein said substrate or underlayer comprises a partially crystalline and/or axially stretched (well-ordered) plastics film such that the orderliness of the plastics film enables the application of the functional material thereto in the form of a well-ordered layer.
2. A substrate as defined in claim 1, wherein the plastics film is biaxially stretched.
3. A substrate as defined in any one of the previous claims, wherein the plastics film is of isotactic polypropylene, polyamide, polyethylene, or polyethylene terephthalate.
4. A method of increasing the charge carrier mobility of a conducting or semiconducting layer of organic material, wherein the conducting or semiconducting layer is formed on an undersurface comprising a partially crystalline and/or axially stretched (well-ordered) plastics film.
5. The use of a substrate and/or underlayer as defined in any one of claims 1 to 4 for the production of an OFET.
6. An organic field effect transistor (OFET) comprising a plastics film as defined in any one of claims 1 to 5 having a semiconducting layer of organic material, wherein the semiconducting layer is applied in such a manner that it is in direct contact with the plastics film and this contact causes the charge carrier mobility thereof to be increased to  $\mu > 10(-3) \text{ cm}^2/\text{VS}$ .